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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/716,492	11/20/2003	Bor Yann Chuang	BHT-3117-163	6681

7590 06/01/2005

TROXELL LAW OFFICE PLLC  
SUITE 1404  
5205 LEESBURG PIKE  
FALLS CHURCH, VA 22041

EXAMINER
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SELF, SHELLEY M

ART UNIT	PAPER NUMBER
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3725

DATE MAILED: 06/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/716,492

Applicant(s)

CHUANG, BOR YANN

Examiner

Shelley Self

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 20 November 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) 1,9 and 10 is/are rejected.
- 7) ☐ Claim(s) 2-8 and 11-15 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 November 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Specification*

The disclosure is objected to because of the following informalities:

Page 1, line 21, "atop" is unclear, correction required

Page. 3, line 20, "two output gear unit" should be ~~two output gear units~~

Appropriate correction is required.

### *Drawings*

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because following reference characters have been used to designate multiple components:

"20" has been used to designate both worktable (pg. 3, lines 9) and knife shaft (pg. 3, line 15)

"342" has been used to designate both annular flanges (pg. 6, lines 4, 5) and annular walls (pg. 6, lines 6, 7)

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: 3611, 342, 332.

The drawings should be reviewed for clarity and proper illustration and correlation to the description.

Corrected drawing sheets in compliance with 37 CFR 1.121(d), or amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in reply to the Office action to avoid abandonment of the application. Any

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amended replacement-drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the examiner does not accept the changes, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

***Claim Rejections - 35 USC § 112***

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter, which the applicant regards as his invention.

Claims 1-15 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The following do not have sufficient antecedent bases:

"said planning table" (clm. 1, line 18)

"said two elastic compressing units" (clm. 9, lines 2, 3)

"the knife shaft" (clm. 10, lines 2, 3)

"the same motor" (clm. 10, lines 3, 4)

Claims 1, 9 and 10 would be allowable if re-written to overcome the 35 U.S.C. 112 rejection(s).

***Allowable Subject Matter***

Claims 2-8 and 11-15 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: The prior art of record does not disclose a work elevating device comprising a base body, *input gear unit*, two output gear units a worm holder and control rod in combination with the rest of the claimed limitations as set forth in claim 1.

The prior art reference, Chiang discloses a planing machine comprising a base (31), guide columns (341, 342), upon which a cutter carriage (33) is caused to reciprocate to position the cutter at a desired distance from the base (31); a worktable elevating device (50) composed of upper and lower (i.e. output) gear units (60, 70), a drive gear (40) and actuating lever/control rod (92), wherein the worktable elevating device (50) is directly coupled to the cutter carriage (33) and guide columns for synchronous movement of the cutter carriage (33) along the guide columns (341, 342). Further, Chiang discloses that as the gear units (60, 70) are rotated and meshed with the drive gear (40), the cutter carriage (33) is raised or lowered, via interaction between the drive gear (40) gear units (60, 70) sprockets (83, 381), chain (382) and actuating lever (92). Chiang discloses that as the lever (92) is lowered the cutter carriage (33) is lowered; as the lever (92) is raised the carriage (33) is raised from the base (31) of the planing machine (30). Chiang does not disclose *input gear unit provided with a transmission shaft having one end fixed with a driven chain wheel*. Accordingly, Chiang fails to anticipate or render obvious the claimed invention as set forth in claim 1.

Neither the prior art of record, nor any combination thereof discloses the claimed invention as set forth in claim 1.

Claims 1, 9 and 10 would be allowable if re-written to correction the 35 U.S.C. 112 rejection(s).

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shelley Self whose telephone number is (571) 272-4524. The examiner can normally be reached Mon-Fri from 8:30am to 5:00pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's Supervisor, Derris Banks can be reached at (571) 272-4419. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306 for regular and After Final communications.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIE or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SSelf  
May 24, 2005

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A handwritten signature in black ink, appearing to read 'D. H. Banks', with a long horizontal line extending to the right.

DERRIS H. BANKS  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 3700